

REMARKS

Applicants have reviewed the Office Action mailed April 30, 2007 in which claims 1-32 were rejected. Claims 26-32 have been canceled without prejudice or disclaimer. Claims 1-25 are now pending.

Claim Rejections – 35 USC § 102

Claims 1-32 were rejected under 35 U.S.C. § 102(b) as being anticipated by US Patent 5,268,830 (hereinafter “Loftus”). Applicants respectfully traverse the rejection of claims 1-32. Loftus does not disclose or suggest all of the elements of the claims.

Claims 1-7 Are Allowable

Loftus does not disclose all of the elements of claim 1. For example, Loftus does not disclose “wherein a first tap of said first resonant output winding is connected to a first tap of said first sensing primary winding, a second tap of said first resonant output winding is connected to a first load terminal of a first load, and a second tap of said first sensing primary winding is connected to a second load terminal of said first load”, as in claim 1. In contrast to claim 1, Loftus discloses a control circuit 170 having amplifiers (opamp 176, comparator 180) connected to a first tap of a first sensing primary winding (primary winding 114).

Claims 2-7 depend from claim 1, which Applicants have shown to be allowable. Hence, Loftus fails to disclose at least one element of each of claims 2-7. Accordingly, claims 2-7 are also allowable, at least by virtue of their dependence from claim 1. In addition, claims 2-7 contain elements not disclosed by Loftus. For example, Loftus does not disclose “wherein said gate drive transformer further comprises a protection diode winding connected in parallel with a pair of parallel voltage limiting diodes, said voltage limiting diodes having opposite orientations”, as in claim 2.

Claims 8-13 Are Allowable

Loftus does not disclose all of the elements of claim 8. For example, Loftus does not disclose “wherein a first tap of said first resonant output winding is connected to a first tap of said first sensing primary winding, a second tap of said first resonant output winding is connected to a first load terminal of a first load, and a second tap of said first sensing primary winding is connected to a second load terminal of said first load”, as in claim 8. In contrast to claim 8, Loftus discloses a control circuit 170 having amplifiers (opamp 176, comparator 180) connected to a first tap of a first sensing primary winding (primary winding 114) and a second tap of the first sensing primary winding connected to an FET rectifier device 151.

Further, Loftus does not disclose “wherein said gate drive transformer further comprises a protection diode winding connected in parallel with a pair of parallel voltage limiting diodes, said voltage limiting diodes having opposite orientations”, as in claim 8. Loftus makes no mention of a protection diode winding.

Claims 9-13 depend from claim 8, which Applicants have shown to be allowable. Hence, Loftus fails to disclose at least one element of each of claims 9-13. Accordingly, claims 9-13 are also allowable, at least by virtue of their dependence from claim 8.

Claims 14-25 Are Allowable

Loftus does not disclose all of the elements of claim 14. For example, Loftus does not disclose “wherein a first tap of said first resonant output winding is connected to a first tap of said first sensing primary winding, a second tap of said first resonant output winding is connected to a first load terminal of said first load, and a second tap of said first sensing primary winding is connected to a second load terminal of said first load”, as in claim 14. In contrast to claim 14, Loftus discloses a control circuit 170 having a ramp generator 181 and amplifiers (opamp 176, comparator 180) connected to a first tap of a first sensing primary winding (primary winding 114) and a second tap of the first sensing primary winding connected to an FET rectifier device 151.

Further, Loftus does not disclose “a first and second input capacitor connected to each other in series across said direct current input source and forming a common capacitor node therebetween”, as in claim 14. In contrast to claim 14, Loftus only discloses a single capacitor across the current input source. Even further, Loftus does not disclose “said primary winding connected between said common MOSFET node and said common capacitor node”, as in claim 14.

Claims 15-25 depend from claim 14, which Applicants have shown to be allowable. Hence, Loftus fails to disclose at least one element of each of claims 15-25. Accordingly, claims 15-25 are also allowable, at least by virtue of their dependence from claim 14.

CONCLUSION

Applicants have pointed out specific features of the claims not disclosed, suggested, or rendered obvious by the reference applied in the Office Action. Accordingly, Applicants respectfully requests reconsideration and withdrawal of each of the rejections, as well as an indication of the allowability of each of the pending claims.

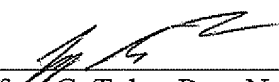
Any changes to the claims in this amendment, which have not been specifically noted to overcome a rejection based upon the prior art, should be considered to have been made for a purpose unrelated to patentability, and no estoppel should be deemed to attach thereto.

The Examiner is invited to contact the undersigned attorney at the telephone number listed below if such a call would in any way facilitate allowance of this application.

The Commissioner is hereby authorized to charge any fees, which may be required, or credit any overpayment, to Deposit Account Number 50-2469.

Respectfully submitted,

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Date


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